

CR7000	G1 volts low when set to cutoff&low tracking, OK in shorts	Q2007
CR7000	ALL RESTORE FUNCTIONS READ 115MA	K1001,2
CR7000	RED GUN WILL NOT ADJUST IN CUTOFF BUT ALL OTHERS WILL	U2012
CR7000	UNIT LOCKED UP AND RELAYS CLICKING .	IC 1,004 LATCH
CR7000	only power light lights at turn on.pins 20 &21 of u17-good.power supplies good.pin 10 of u17 not toggling(reseting).pin 33 of u17 had good signal also.	u2017 and u2028 were replaced.
CR7000	G1 @ -1V ALL POSITIONS + & - 12V LOW, DRAWING 1.5A & BLOWING FUSES	TRANSFORMER, Q1011,C1010, D1019
CR7000	No bais voltages, no cutoff, bad G1 shorts, no remove G1 shorts.	U2028 & U2026
CR7000	HK shorts red gun reads more then 18 -22 segments lite. Playing with filament volts switch changes reading.	Intermittant Filament volts switch SW 2002
CR7000	FILAMENT CURRENT LIMIT TOO LOW AT 1 & 4 OHM LOAD	U1003
CR7000	+12V A LITTLE LOW AND SLIGHTLY DEREGULATED-U1001,2 AND U2004,5,6 ALREADY REPLACED	U2022 BAD- U2005 STILL GETTING HOT AFTER REPLACED
CR7000	No G1 Shorts or Rejuv	Replaced Q20, Q21, Q22
CR7000	Cutoff -- could select guns, but no adj. G2 read nothing. Remove G1 and Rejuv not working. All else works.	Made sure ALL problems were caused by 2000 board. Then replaced U2002 (very hot).
CR7000	REJECT FROM QA FOR READY LED BLINKING WHEN TESTING RESTORE FUNCTIONS	LED WAS THERMAL.VERIFIED WITH HEAT AND FREEZE SPRAY.
CR7000	no G2	Q1023 & 1024 at the same time-if R1141 is burnt add additional sil pad under Q1023.
CR7000	unit would not do anything after turning it on, no relays clicking, crystal good, ALE good, P1.0 staying hi should go low to enable output of latches	U2010, DB1 had 13 ohms between it and ground
CR7000	G2 MAXED ON ALL GUNS, NO CONTROL	U2004
CR7000	G2 VOLTAGE GOES FROM +2V TO 0V WHEN VARYING THE CUTOFF FROM MIN TO MAX	D25
CR7000	when trying to adjust the fil volts the display would randomly freeze its led's even though the output was variable.changing fil range and smacking the unit would often restore normal display .	k2003
CR7000	When testing Rejuve-unit clicks a couple of times and quits-never reads voltage.	PI wire from microprocessor to Q2002 came loose. If not this try the relayson 2000 Bd.
CR7000	G2 voltage at low end of range and unstable and LED's not lighting. Red gun goes full scale on G1 and HK shorts when other guns work.	U2013 was bad (only red gun portion) was pulling KR Measure down
CR7000	no remove g1 shorts or rejuv	R1143, R1073
CR7000	no restore or remove g1 or rejuv	k1007,k1002
CR7000	FIL VOLTS TOTALLY MINIMIZED SHOWS MORE THAN ONE BAR	
CR7000	G1 REF BAD	IC2010

CR7000	G2 MEASURE NOTHING	IC2010
CR7000	RESTORE FUNCTIONS ALL READ 115MA	JUMPER WIRE PI-016 HOOKED TO D24 INSTEAD OF C4
CR7000	G1 SHORTS ALL LEDS LIGHT WITH NO CHANGE WHEN SWITCHING THROUGH THE GUNS	K10001,1002
CR7000	G2 MEASURE BIAS READS 440V & 640V INSTEAD OF 400V AND 600V	PI-016 ZENER DIODE IN BACKWARDS ON THE TWO RESISTORS
CR7000	UNIT WORKS FINE FOR 2 TO 3 MINUTES AND THEN GO WACKY AND GOES DEAD	IC2002
CR7000	NO AUTO RESTORE OR REMOVE G1 OR REJUV	K1001,1007,1002
CR7000	RESTORE FUNCTIONS ALL READ 000 BUT REMOVE & REJUV WORK	K1005,K1007
CR7000	DISPLAY GOES BACKWARDS FROM RIGHT TO LEFT ON ALL THREE GUNS I SEGMENT AT A TIME	Q2 ON 2000 BD OPEN LEG
CR7000	G1 BIAS STAYS AT 193 FOR ALL POSTIONS	U1002
CR7000	NO G1 BIAS	Q1011
CR7000	REMOVE G1 PUTS OUT 400V IN SCOPE BUT WORKS IN G1 MEASURE	K1003
CR7000	K1004 CLICKS ON AND OFF AND DISPLAY DOES WEIRD THINGS	D1060,D1061 SHORTED
CR7000	FIL VOLTS ALL LIGHTS ON	U1008
CR7000	HK SHORTS JUMPS AROUND	Q5 BASE SHORTED TO HEATSINK AND C1060 WRONG VALUE
CR7000	NO REJUV OR REMOVE G1 SHORTS ALL ELSE WORKS	Q1020
CR7000	G1 SHORTS ALL LEDS ON OR TO MANY SEGMENTS	C1004 ON FEED BACK OF U1001 WAS BAD
CR7000	R1008 GETS HOT AND FIL VOLTS IS STUCK AT 20V	Q1005 WAS SHORTED
CR7000	COULD NOT SELECT RED GUN IN RESTORE FUNCTION	MEASURE PIN 11 TO +5V SHOULD MEASURE 100K IF NOT REPLACE U2026
CR7000	CUTOFF WAS JUMPY WHEN UNIT WARMED UP	CHECK PI-007 THE ADD ON CAL POT VALUE SHOULD BE 10K
CR7000	G2 MEASURE ON TESTER READS ~200V AND CANNOT BE VARIED.	U2010-69G441 OUTPUTING WRONG CONTROL VALUES.
CR7000	G1 about 6V low, G2 low on red no LED's lit, HK & G1 shorts full scale on red, no cutoff on red, no restore, Remove G1 or Rejuv	Grey cable
CR7000	HK Shorts are full scale. Re-activate reads about 10. All else works.	clean fuse holder and if problem persists, replace tr2040 and tr2041
CR7000	READY LED WOULD NOT LITE WHEN TESTING RESTORE FUNCTIONS BUT UNIT WOULD PASS TEST OTHERWISE.	U3002
CR7000	bias voltage low -20v to -180v	replaced q1011 and q1006

CR7000	NO BIAS VOLTAGES DUE TO K1004 NOT GETTING SWITCHED.	GOOD PULSE AT TURN ON BASE OF Q14, BUT COLLECTOR VOLTAGE WAS AT~6.8VDC.SHOULD BE CLOSER TO .6VDC.Q2014 BAD.
CR7000	unit would randomly lock up and relays would click when switching CRT Type in Remove & Rejuv	Q1020 & R1072 (resistor was open)
CR7000	unit would not turn on and the new software was installed	The e-prom was bad that was put in
CR7000	H/K shorts all lights on	r124 was blown up
CR7000	91940	Q2002-COMPONENT GETS CHANGED TO A REGULATOR AS PART OF PI015 AND HAS BEEN DEFECTIVE ON 4 OF 5 CLICKY-CLICKY UNITS.
CR7000	When adlusting the fil volts the lowest range worked fine but in the top two ranges the red led's for the lowest range would light and then switch to the proper green led's for each scale.	q3001 shorted-once replaced it was found that q3003 and q3005 were also faulty.recommend replace all three.
CR7000	No -20 to -180 volt bias voltages	Q1011- there should be 5v on the base and -.8 on the collector
CR7000	No G1 voltages	U1006 and U1008-The plus and minus supplies bad.
CR7000	When reading G2 voltages- red gun had no control but green & blue ok	u2010
CR7000	GUN TRACKING "BAD" LED ON ALL THE TIME	U3002, PIN 35 HAD < 2VDC ON IT WHEN LED SHOULD HAVE BEEN OFF
CR7000	NO G2 ON RED GUN OTHERS OK	U2002
CR7000	Rejuv voltage low when ready light on, ok if you waited 2 to 3 seconds	D1025, already replaced Q1023 because of no G@
CR7000	all Restore reads 0, Remove & Rejuv read 160V without button pushed	K1001,1007,2001,2002
CR7000	no G2 on Green gun G2@160V on blue no control, no cutoff on green, cutoff full scale on blue gun	U2002, U2010, U2012
CR7000	G2 at low end of range & unstable, LED's not lighting, U2005-6 getting hot, only a few lights lit on G1 shorts	U2022, outputs of U2005 & 6 were stuck at 3.5V
CR7000	Unit acts like it is in Fil V function no matter what position function switch is in	U2026, only 4K ohms between pin 1 & 6 of U2007
CR7000	Emissions & High Tracking low, Remove G1 and Rejuv only work on Scope reads 0 on other CRT types	Q1023, was limiting current of G2 supply, only had 100 ohms between pins 1 & 3
CR7000	G1 & G2 DEAD, G1 SHORTS FULL SCALE, CUTOFF DEAD	K1001 & 2
CR7000	Fil Volts Over-ranging on tester measures ~24V, LED's don't light, can't vary	Grey Cable
CR7000	in restore relays would click a few times after releasing "press to restore" and in remove/rejuv relays would click while holding down button	Q2001
CR7000	G2 maxed at 120V	Q1023 & 1024, only 5 ohms between pin 1 & 3 of Q1023
CR7000	H-K shorts full scale. Re-Activate reads about 10. All else works.	Q2001. (Make sure that the 10V H-K shorts supply is on both sides of the FET.

CR7000	ALL RESTORES AT 115 MA & LED'S NOT LIGHTING	K2001-2
CR7000	G2 maxed at 430V on Video 2, 370V on all others	D1025
CR7000	When testing G2 relays would start clicknig above ~350V and on Remove G1	R1144, PTC was breaking down...unit came in w/ burnt and blown up parts in Fil V section
CR7000	FIL VOLTS OVER RANGING CAN'T ADJUST, FIL ADJUST MEASURES 11V	OPEN BETWEEN R144 & FIL GROUND OR R144 OPEN
CR7000	-12V supply deregulated and low~11.3	replace the op-amps TL084 (U1001, 1002,2004,2005,2006) and regulators U1006 and 1008
CR7000	NO G1 & BLUE GUN FULL SCALE, -12 SUPPLY @ -17.5v	U8, Q1024,Q1011,U1001-2
CR7000	G2 only varies 0 to 165V on Video 1, low on all CRT types	U2002
CR7000	-12 SUPPLY @ -15V AND NO G1	U1006, U1008, Q1011